

FIG. 1D

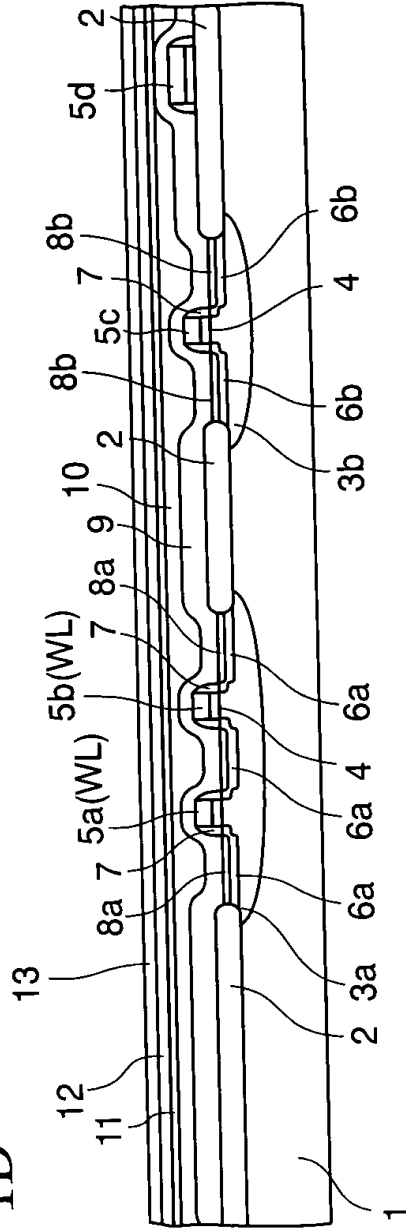
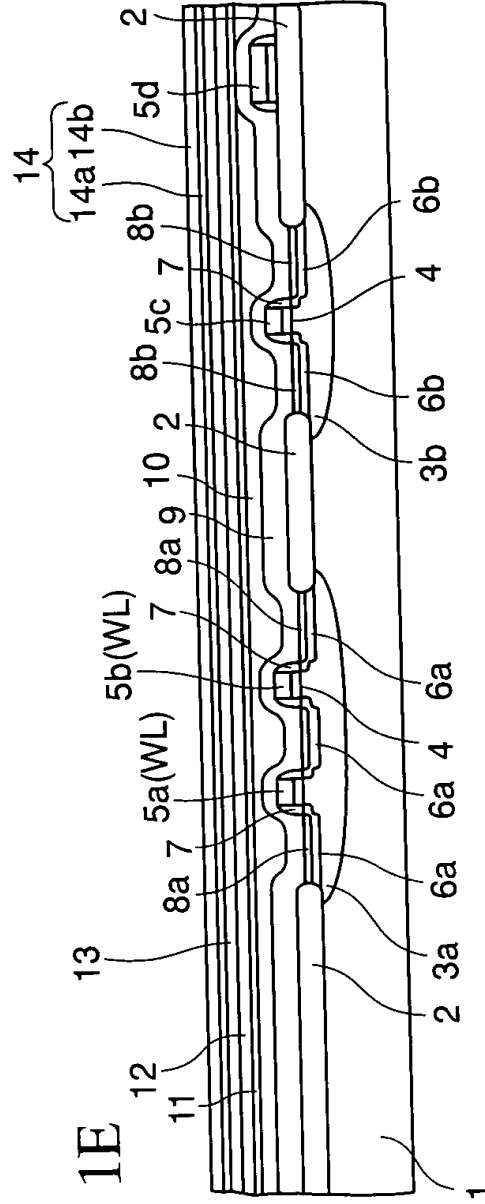


FIG. 1E



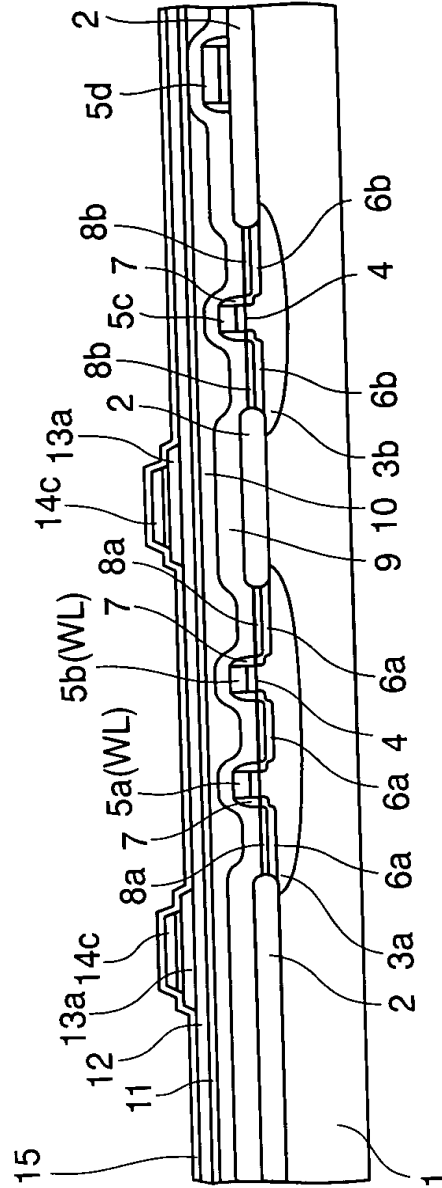
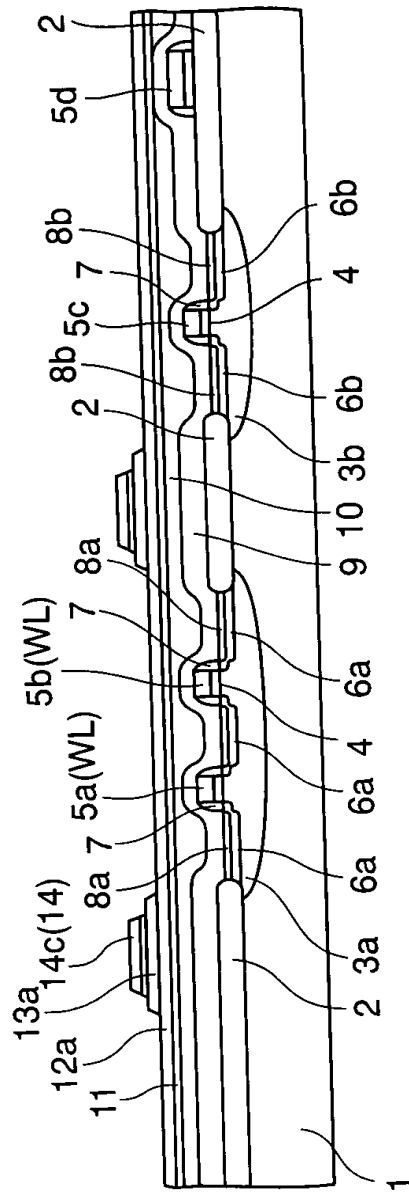


FIG. 1H

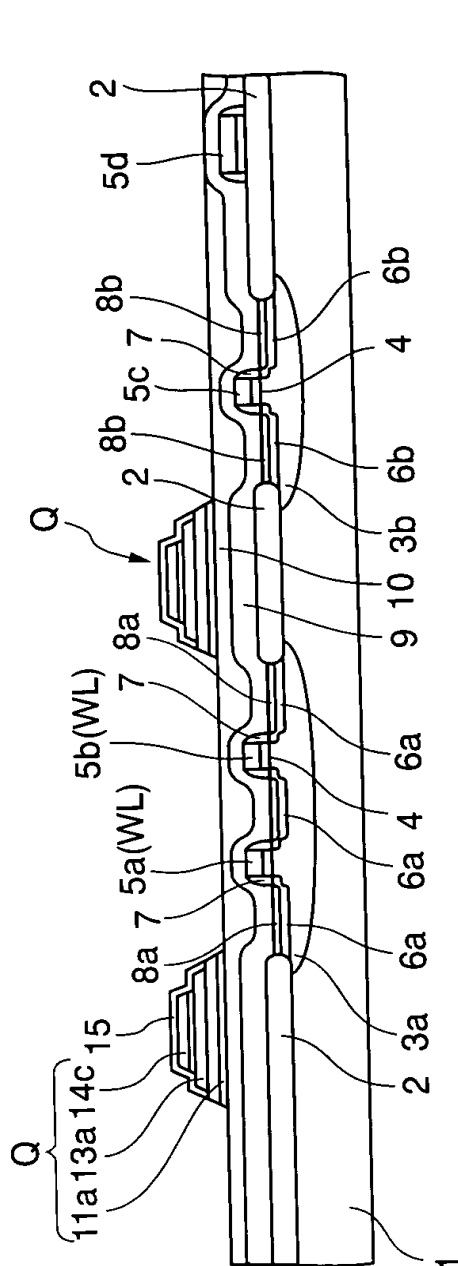
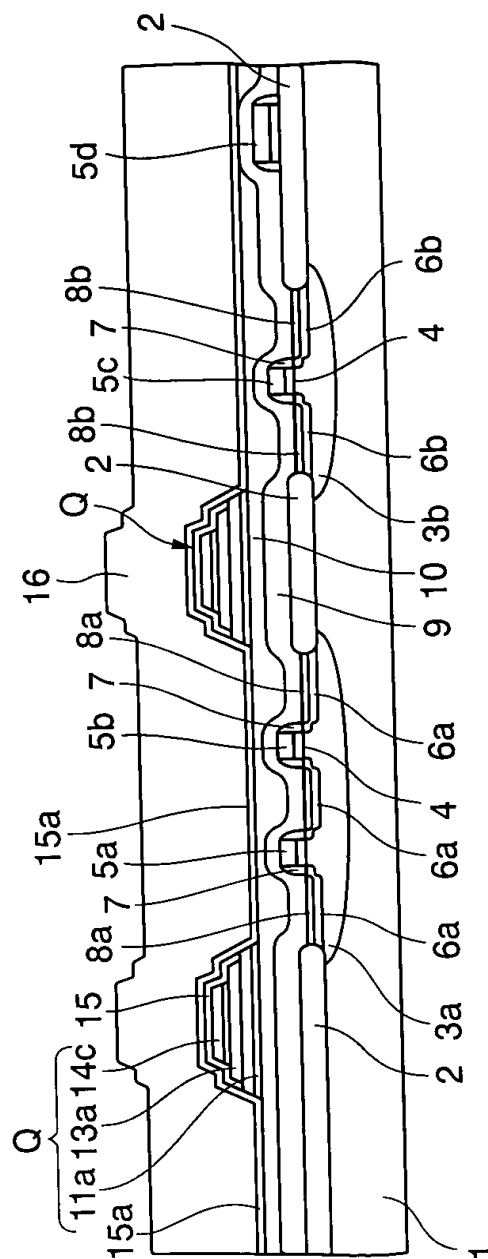


FIG. 11



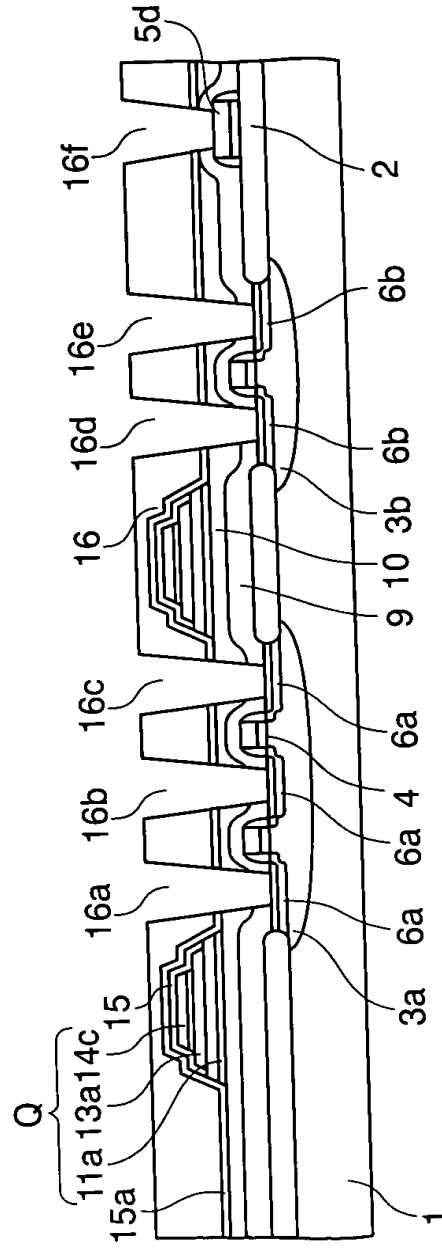


FIG. 1L

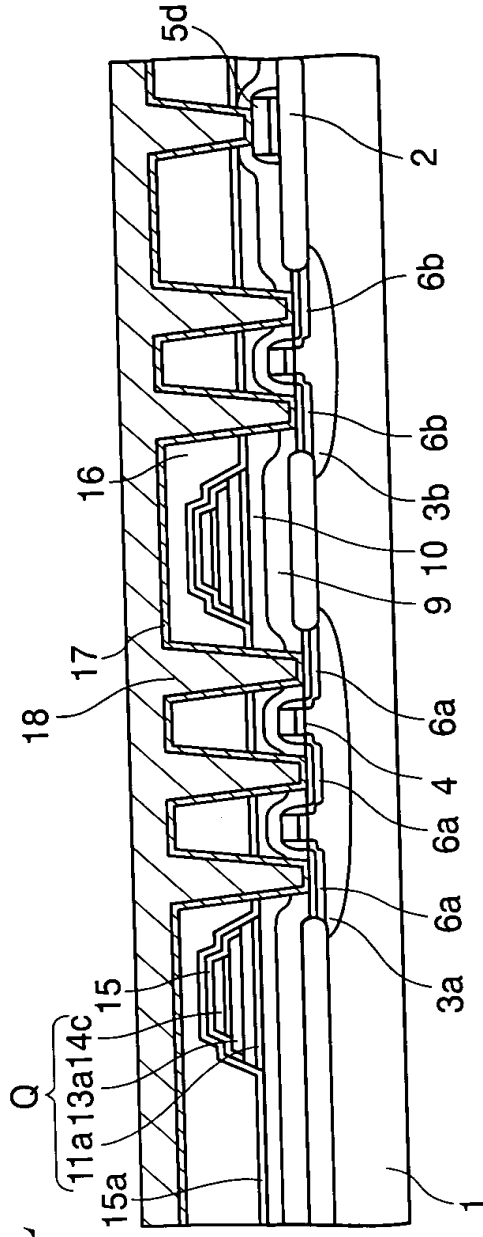


FIG. 1M

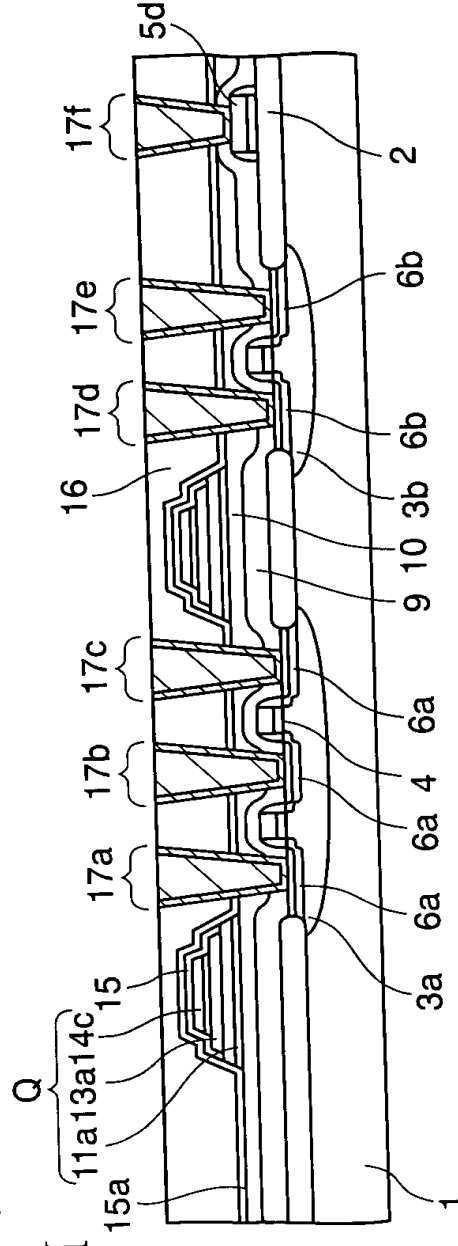


FIG. 1N

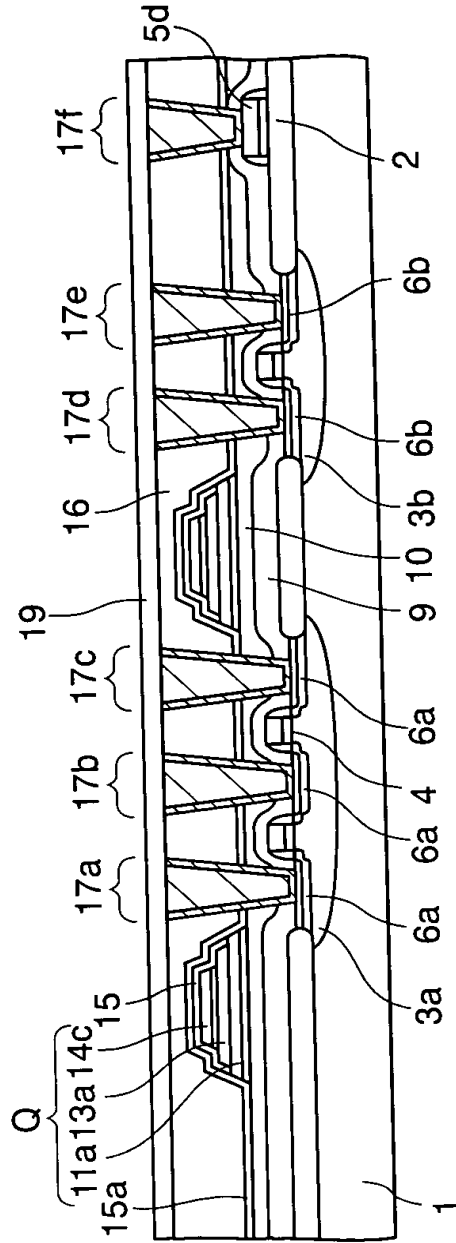


FIG. 10

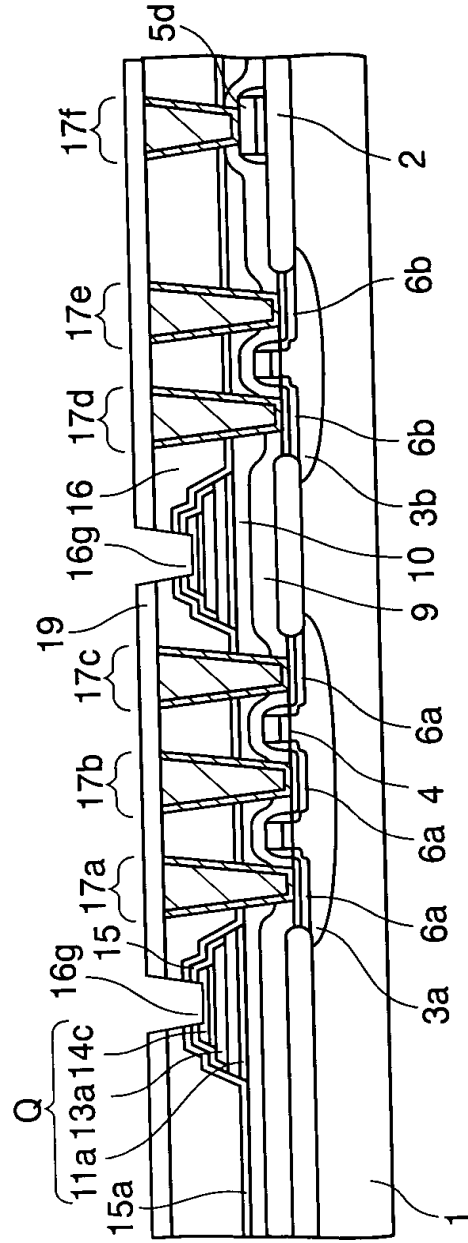




FIG. 1P

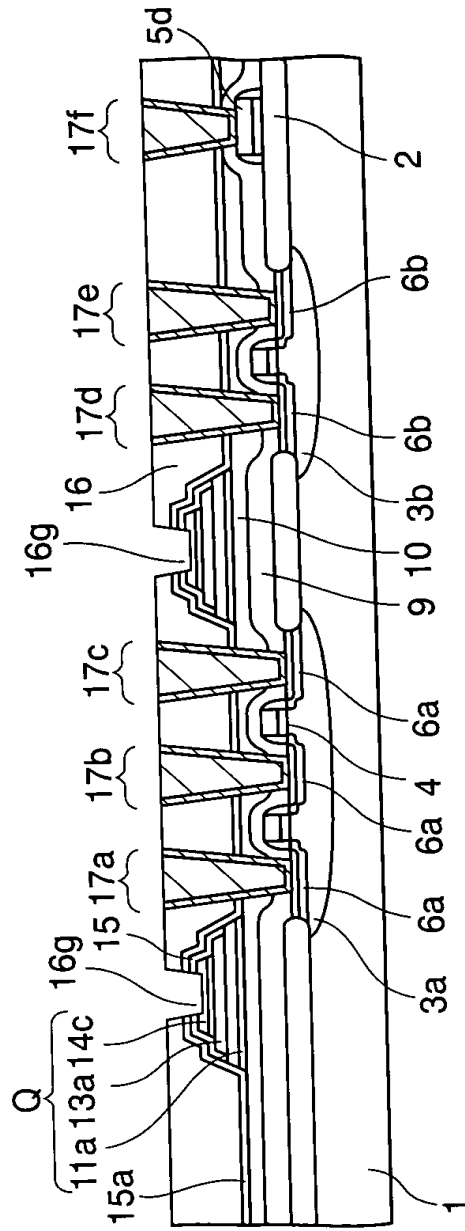
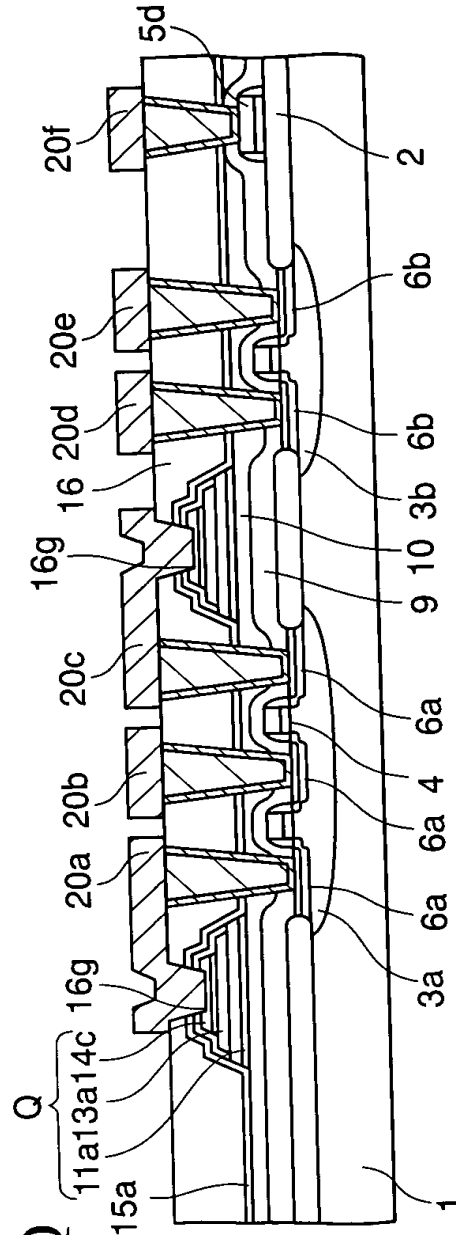


FIG. 1Q



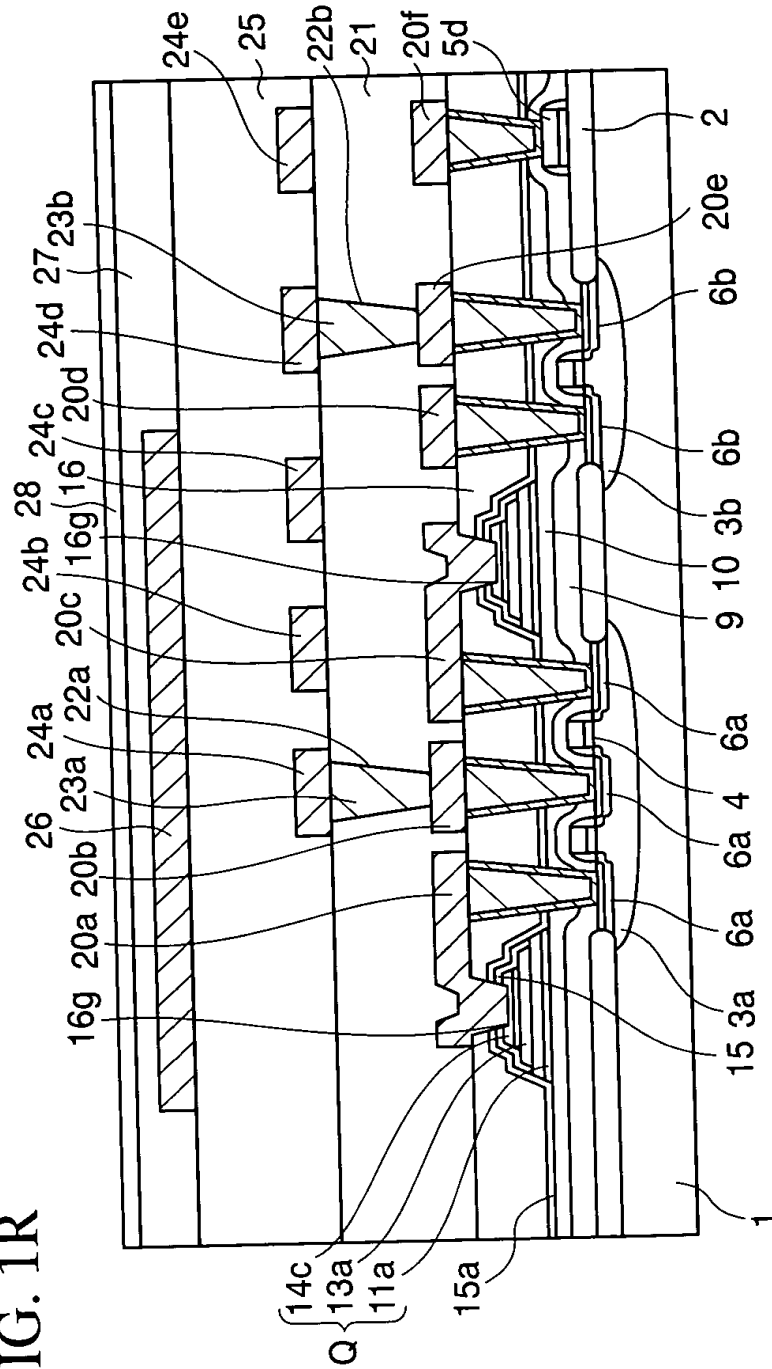


FIG. 2 (Prior Art)

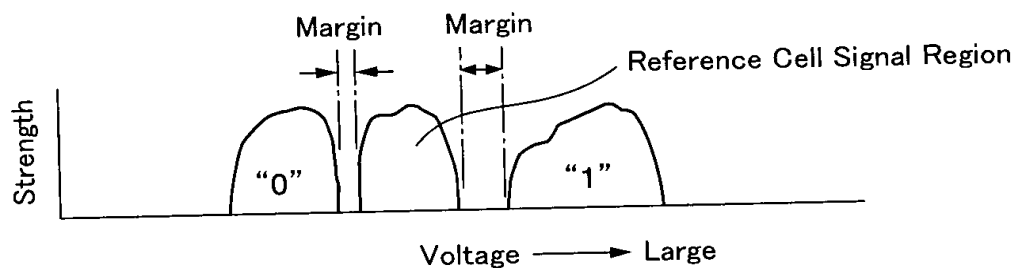


FIG. 3

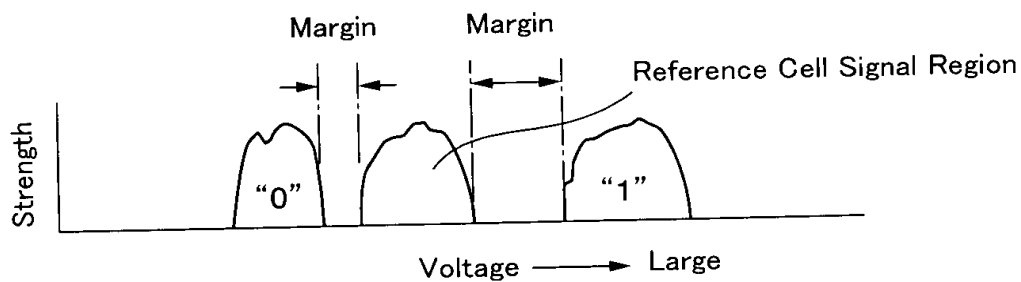


FIG. 4

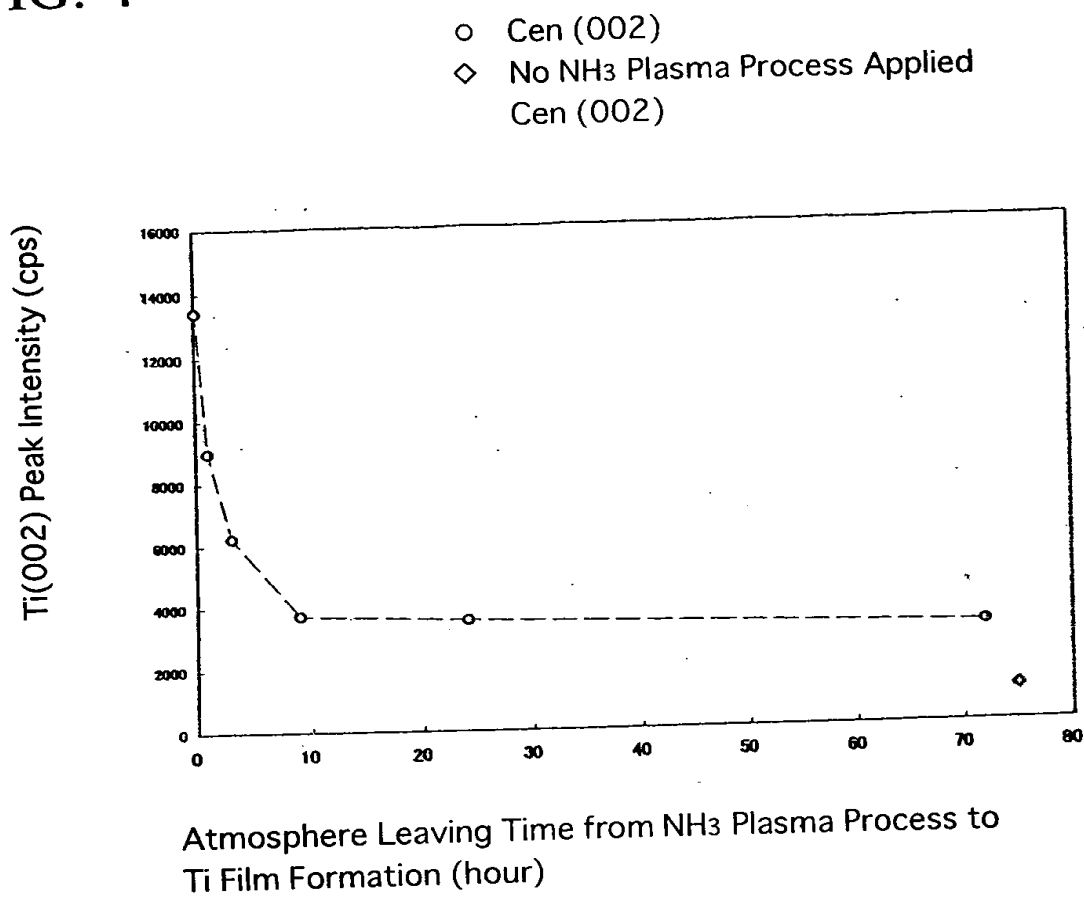


FIG. 5

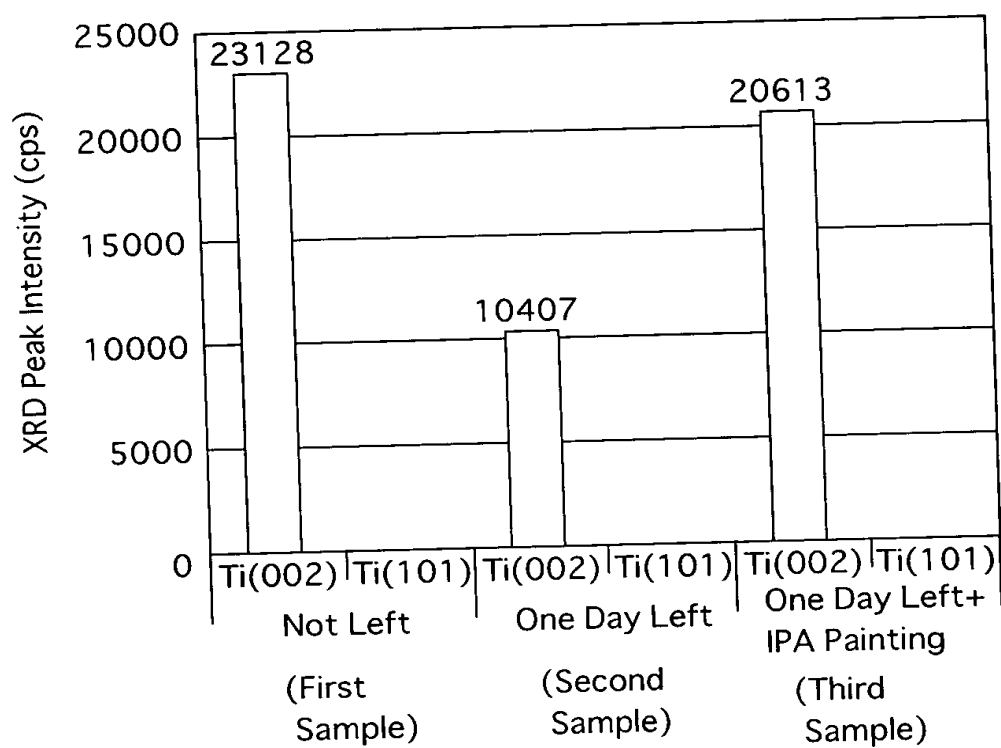


FIG. 6

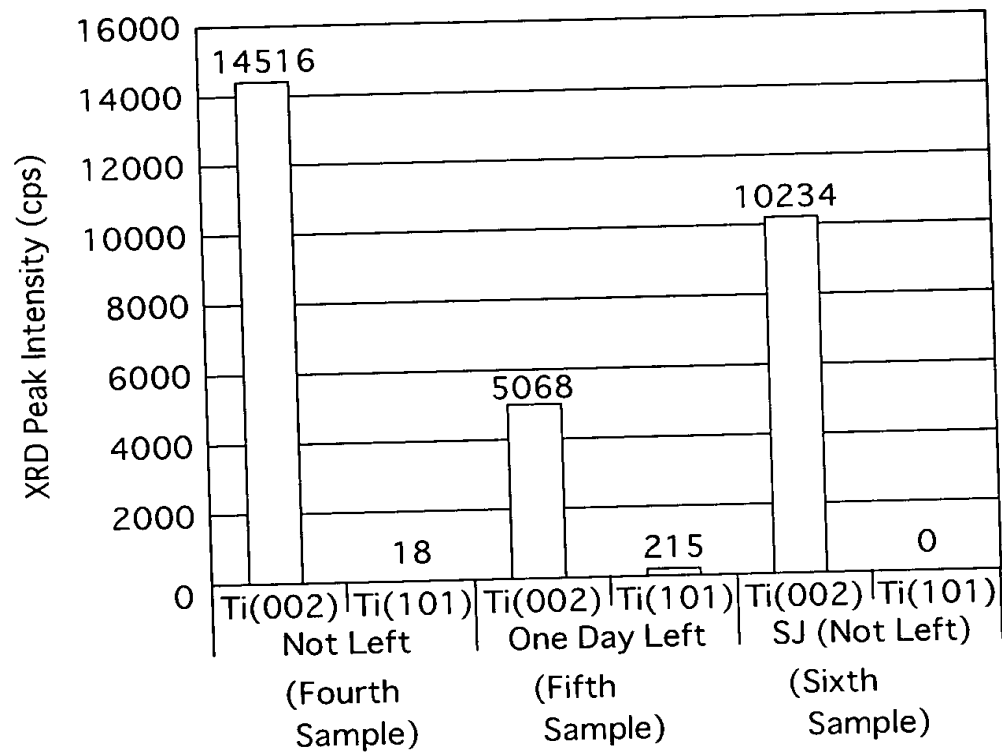


FIG. 7

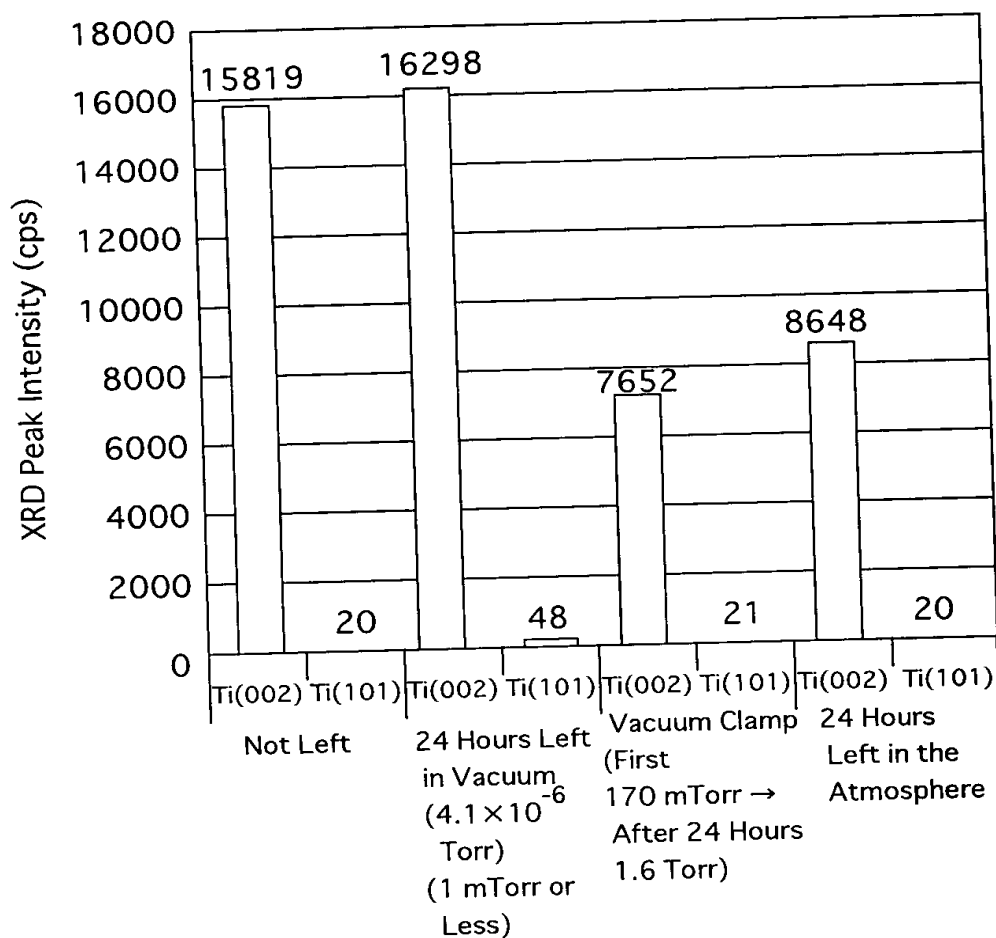


FIG. 8

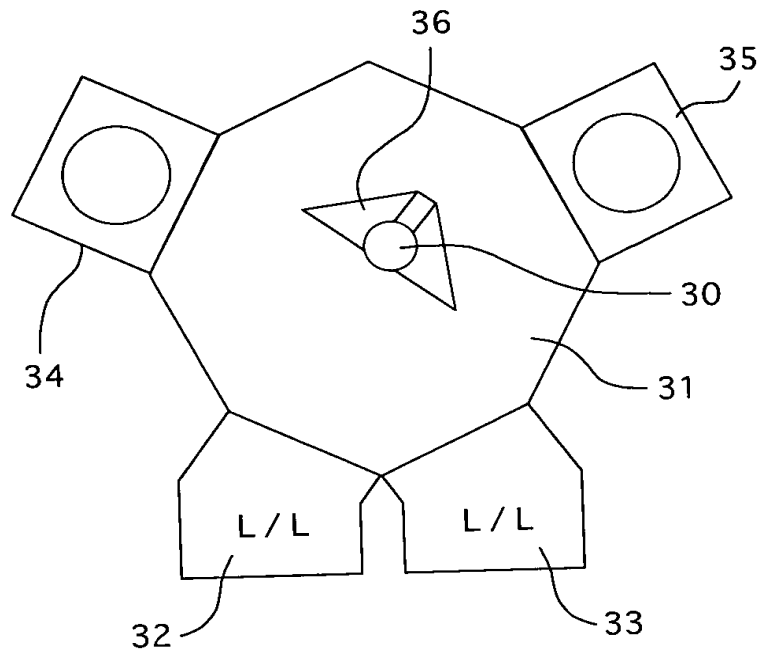




FIG. 9

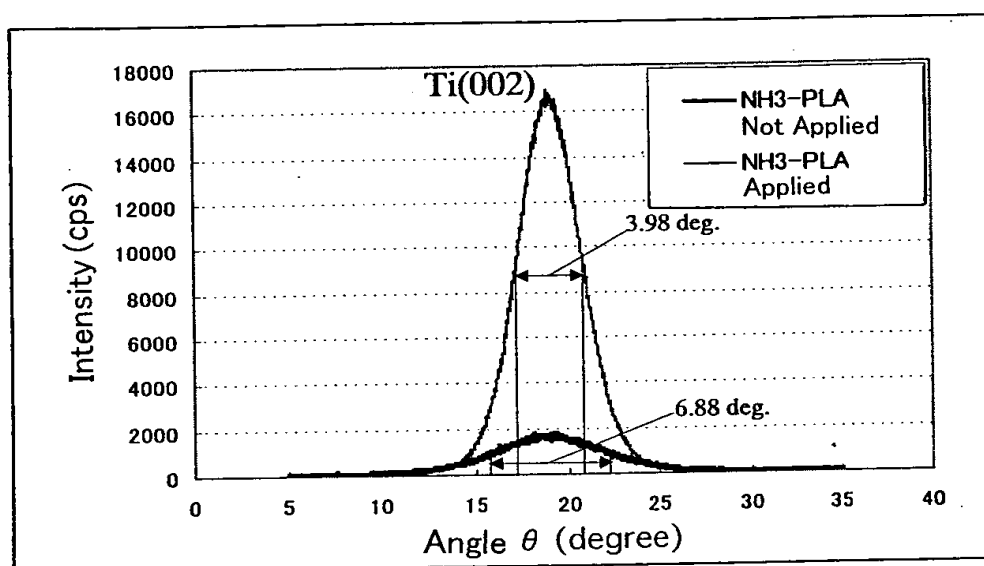


FIG. 10

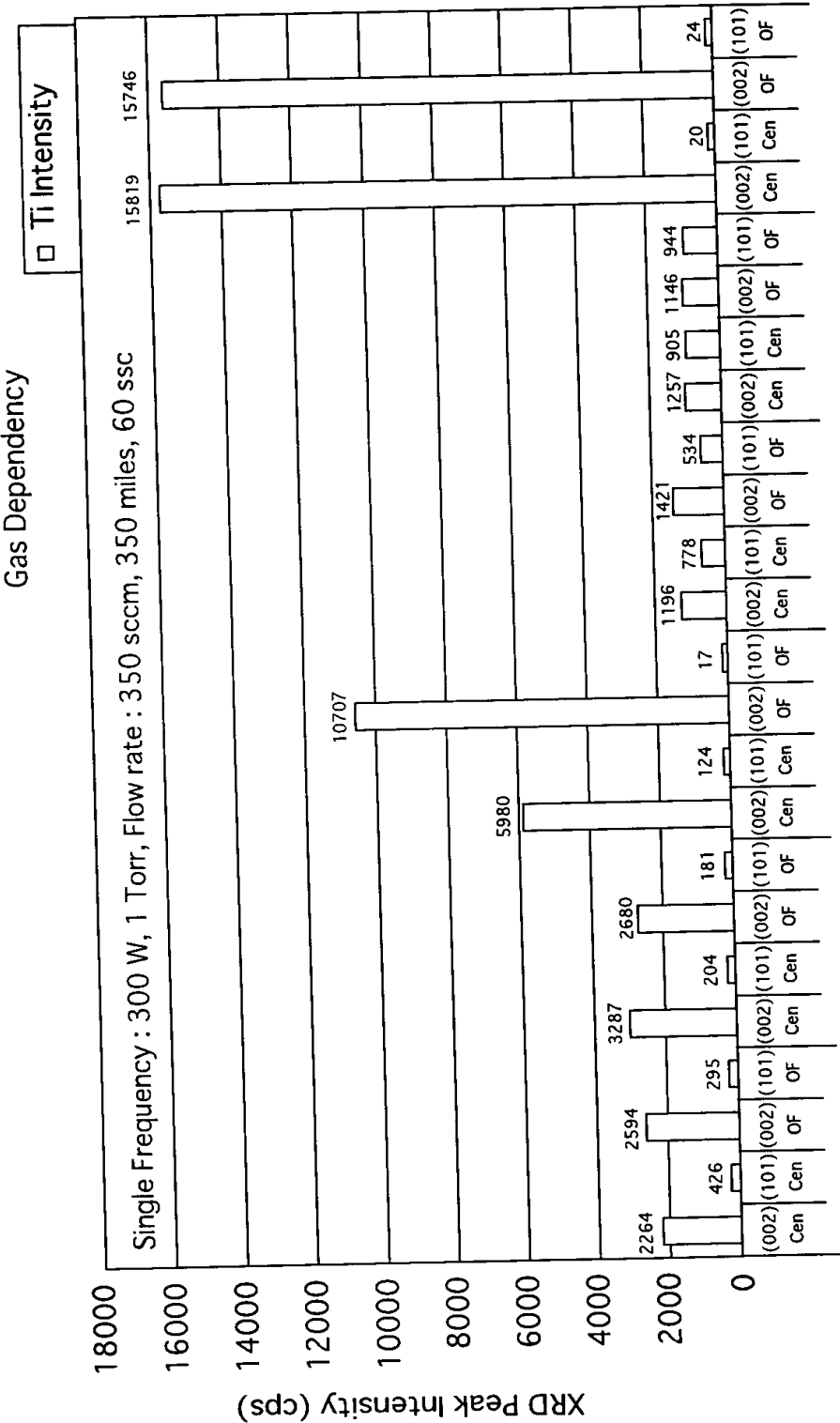


FIG. 11

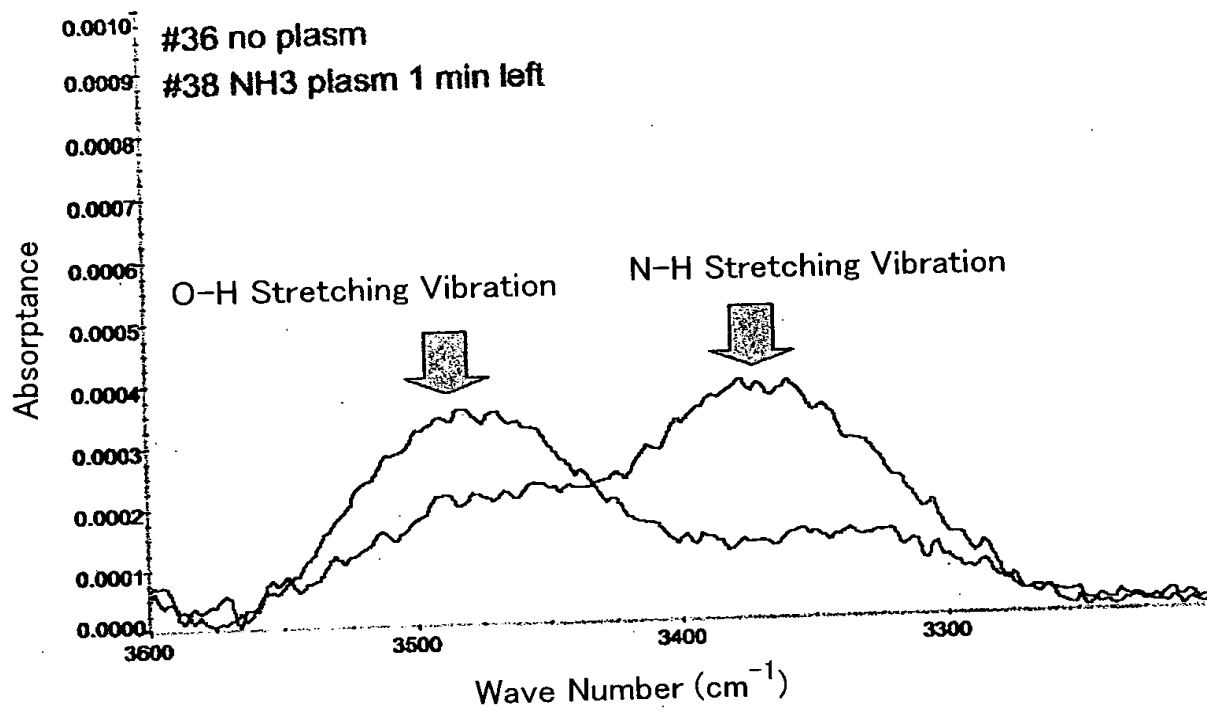


FIG. 12A

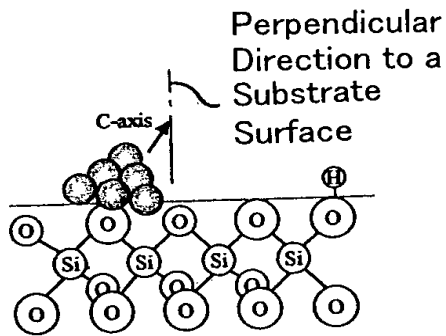


FIG. 12B

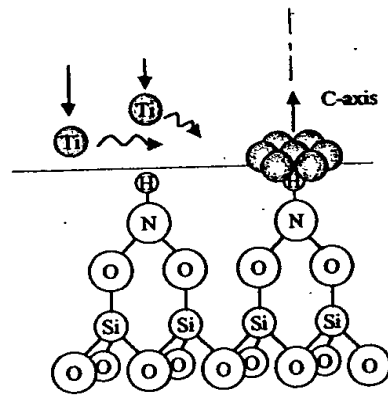


FIG. 13

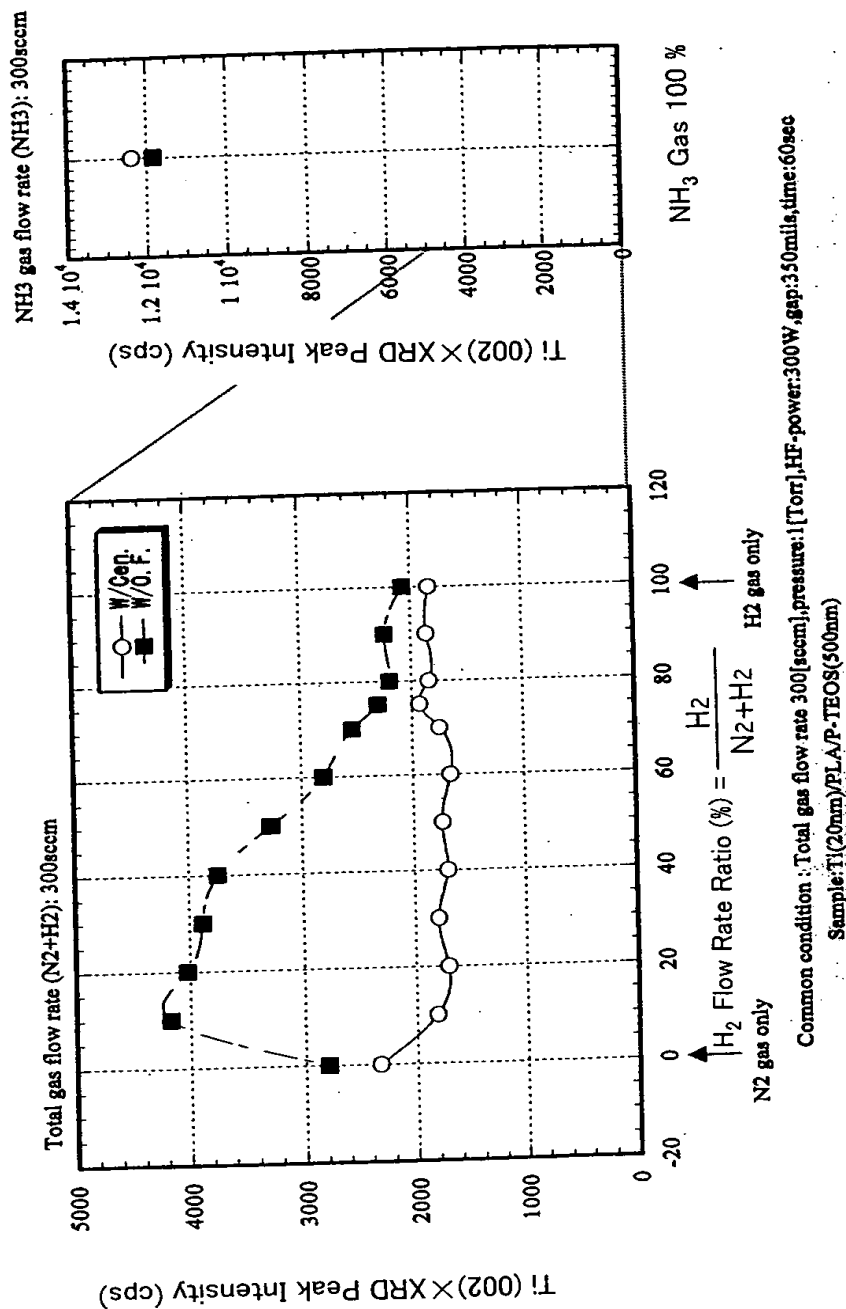


FIG. 14

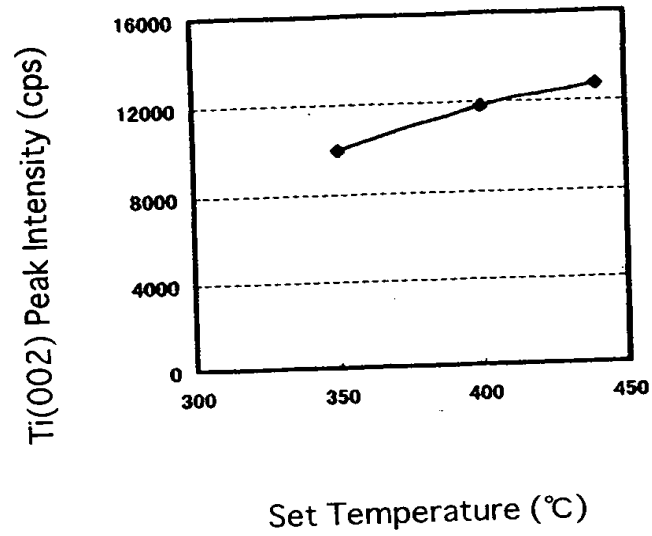


FIG. 15

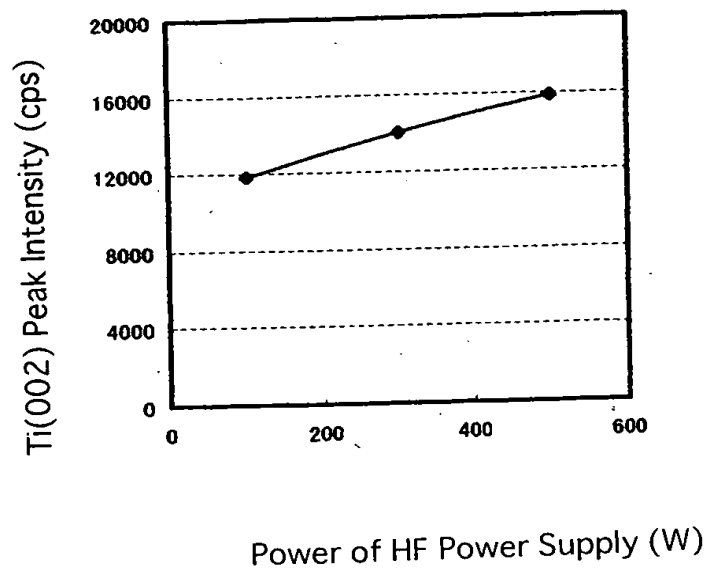


FIG. 16

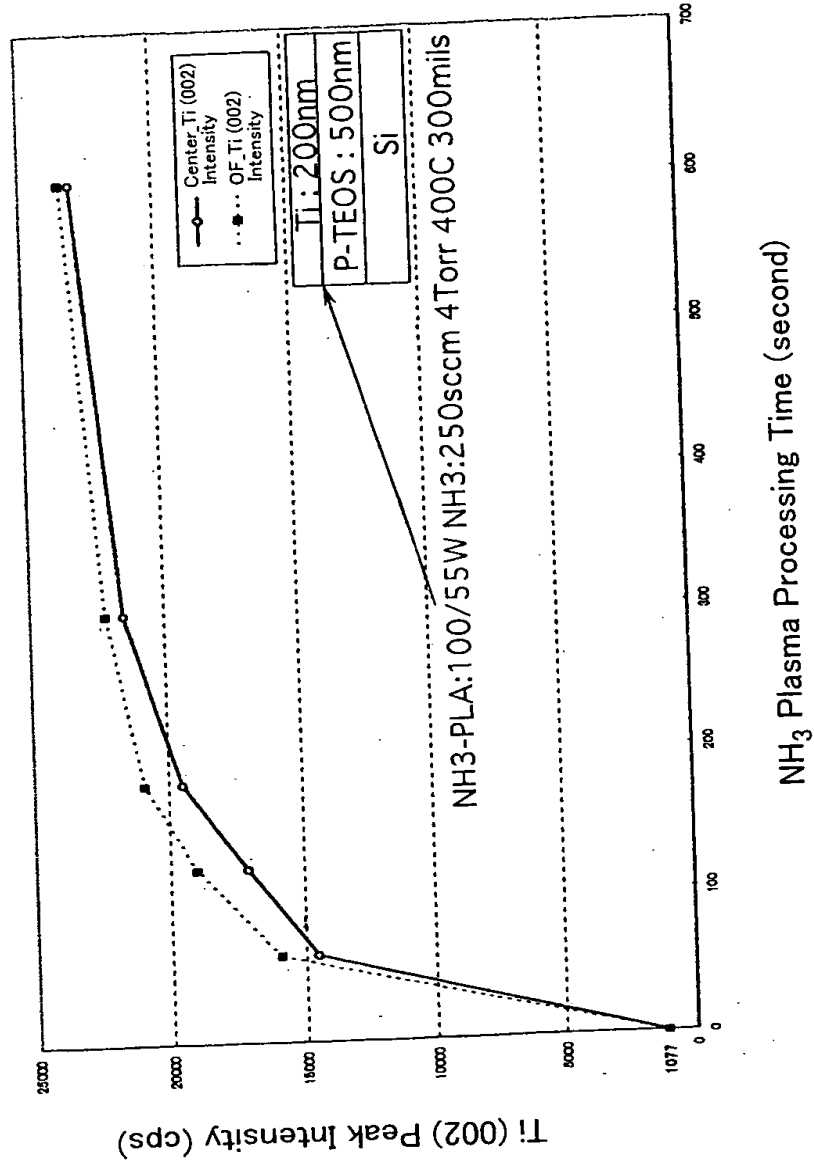


FIG. 17

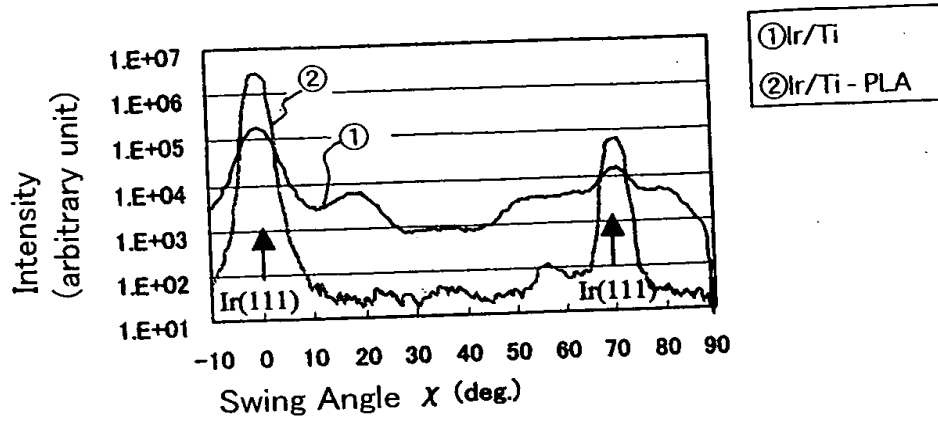


FIG. 18

PZT Orientation Characteristic

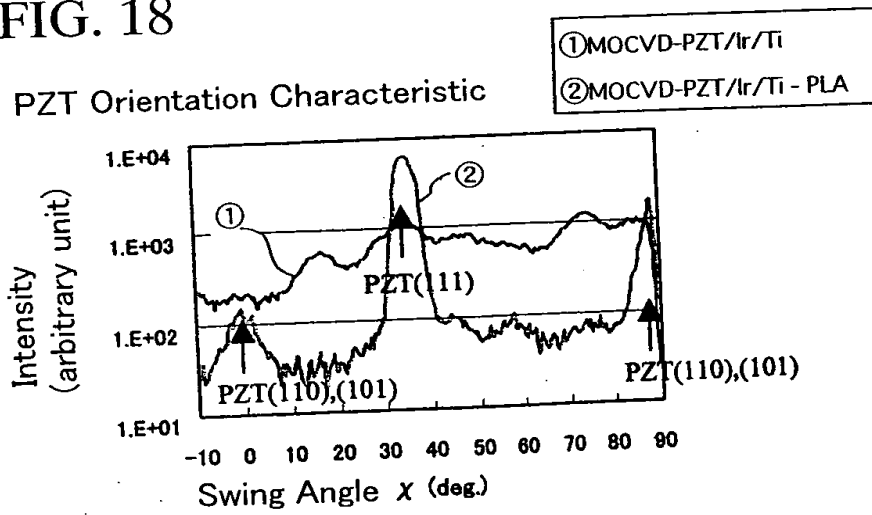




FIG. 19

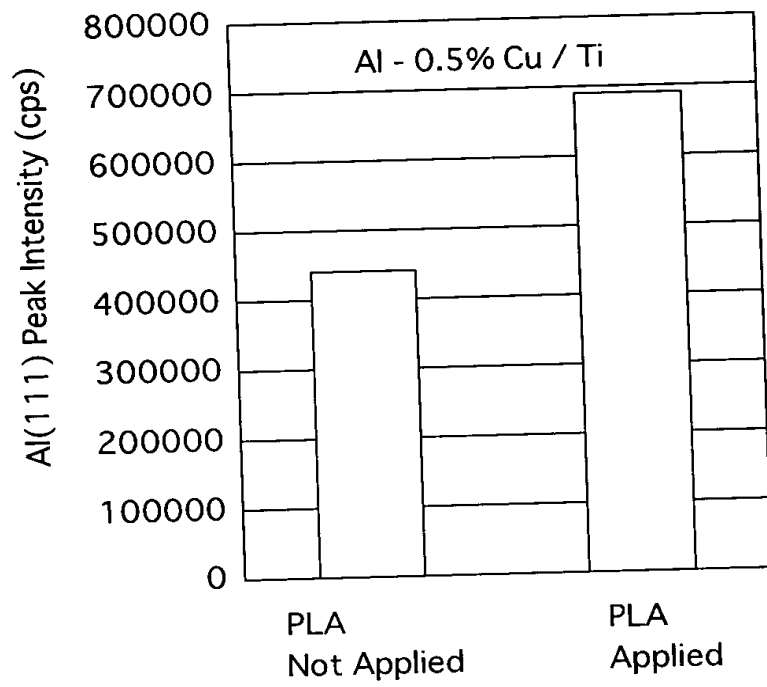


FIG. 20

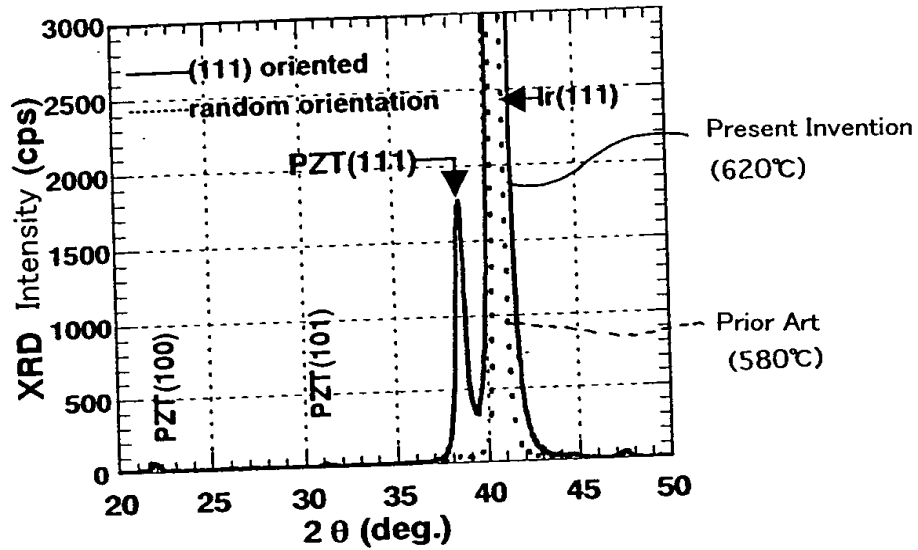


FIG. 21

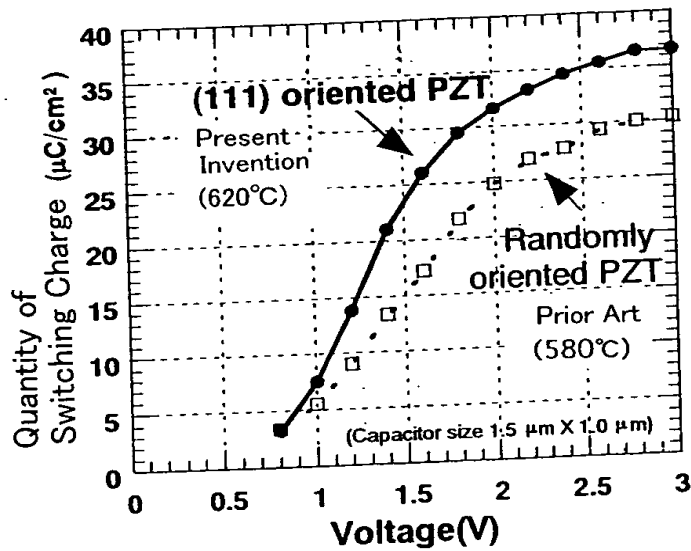


FIG. 22

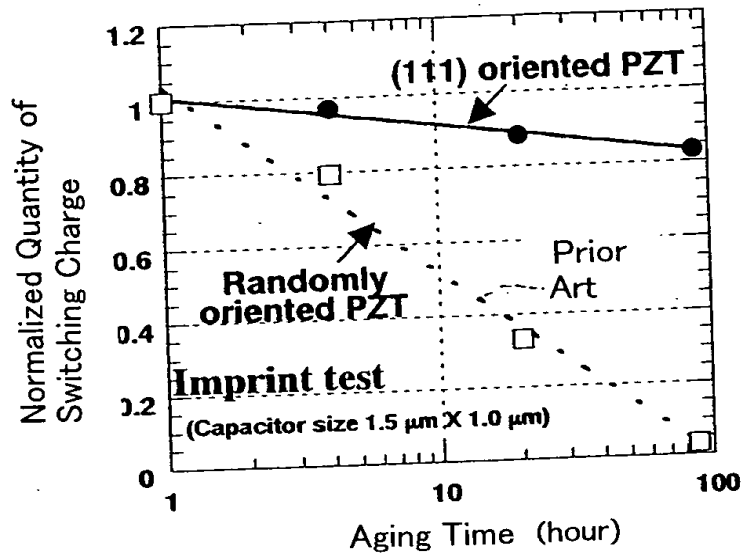


FIG. 23A

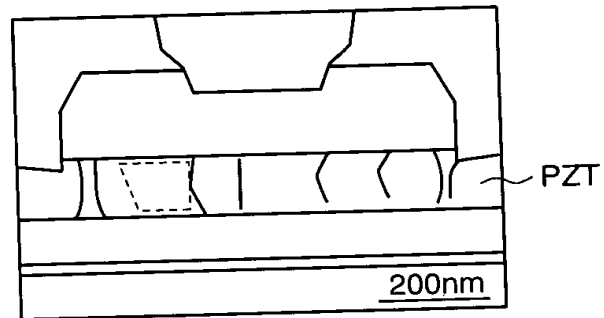


FIG. 23B

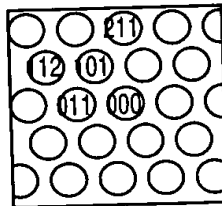
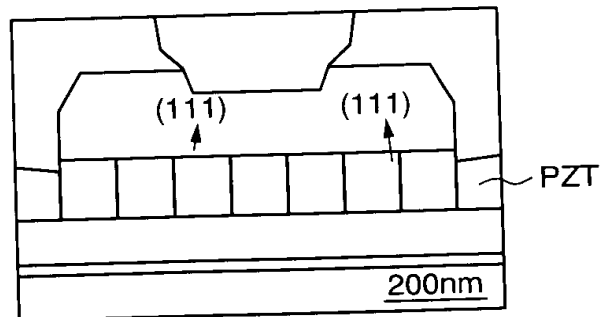


FIG. 24



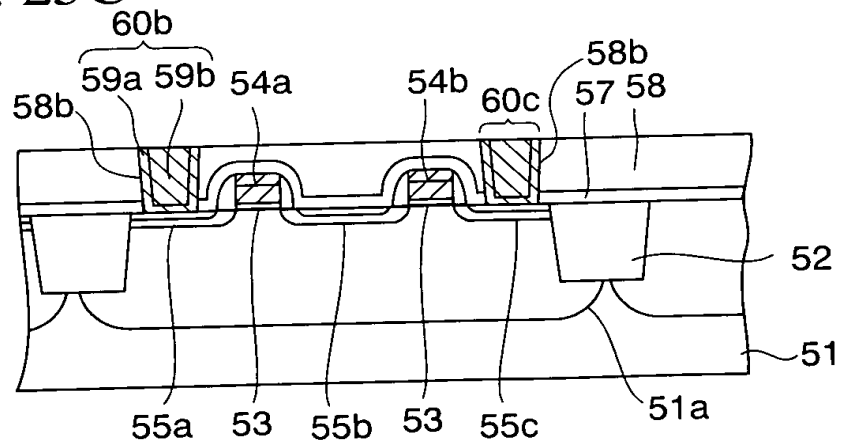


FIG. 25D

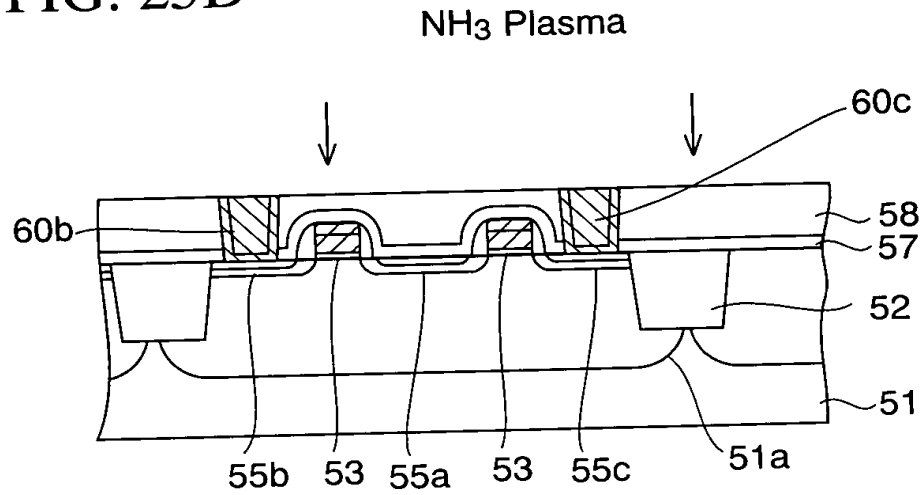
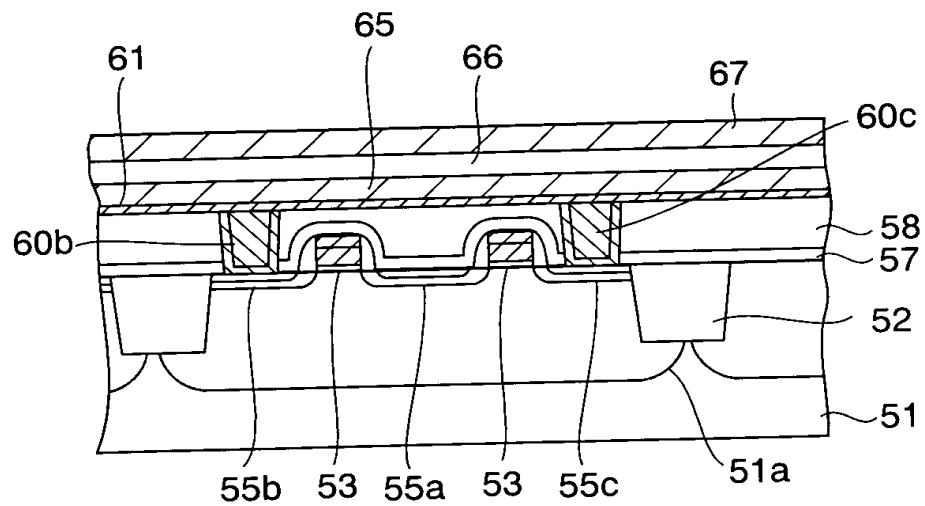
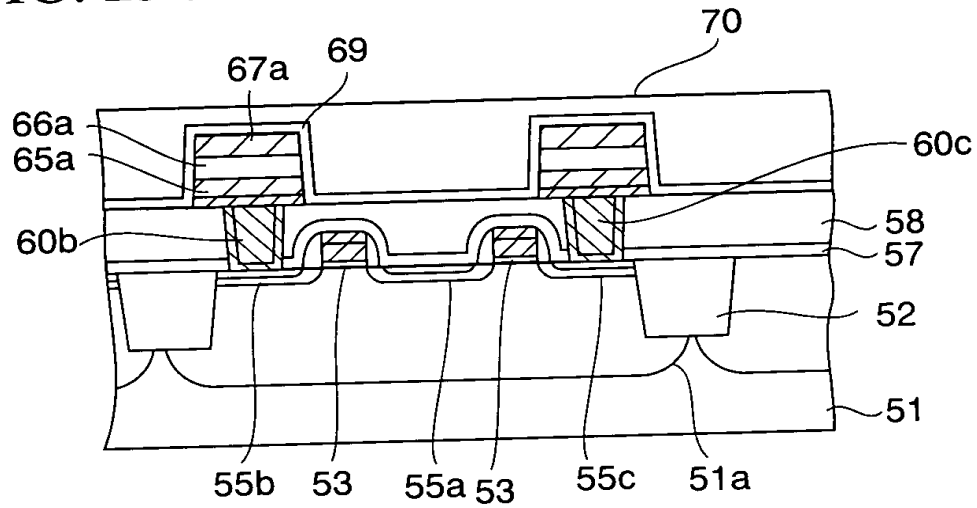


FIG. 25E





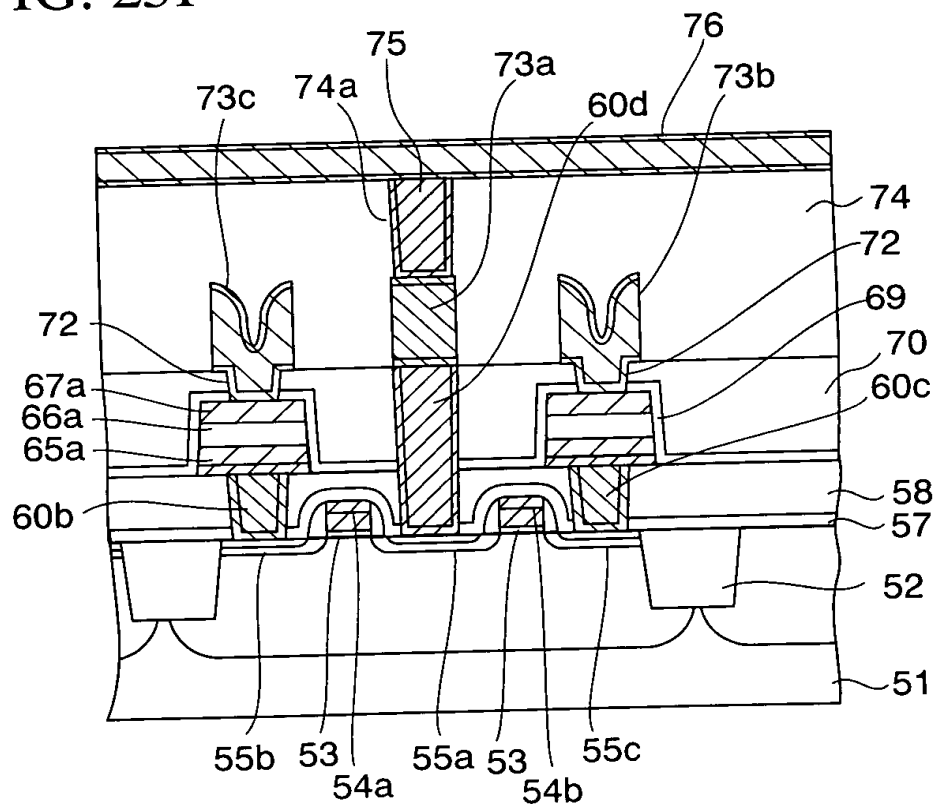




FIG. 26A

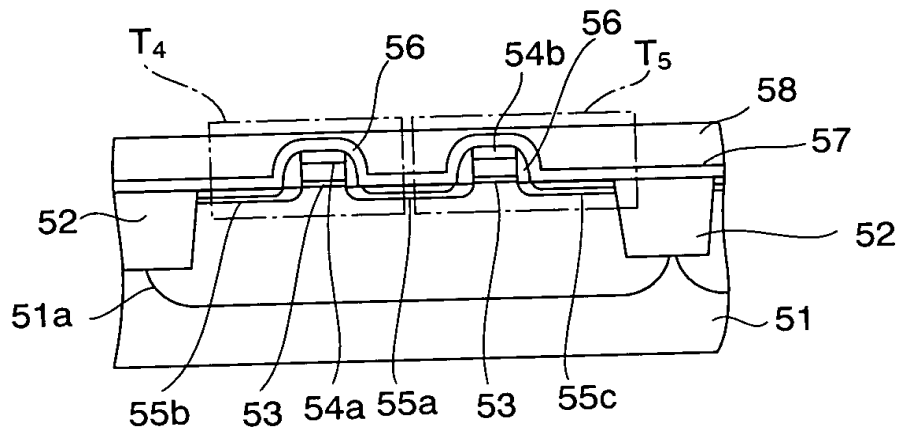
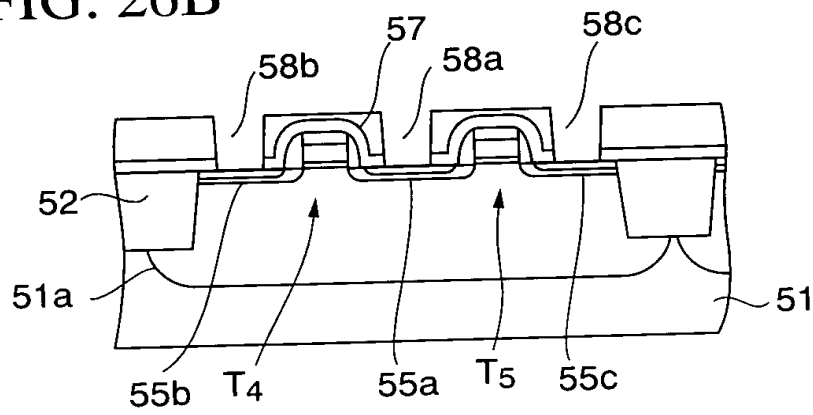


FIG. 26B



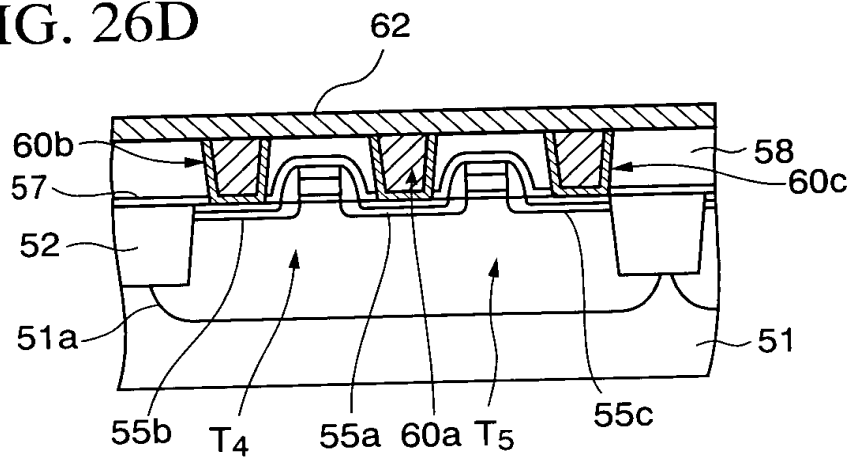


FIG. 26E

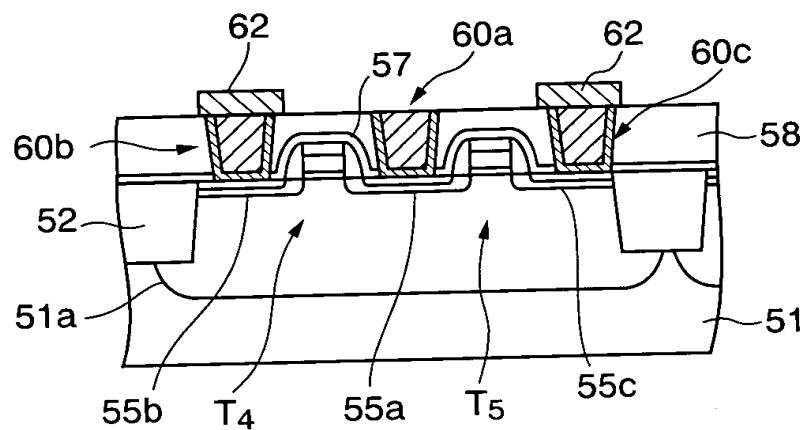


FIG. 26F

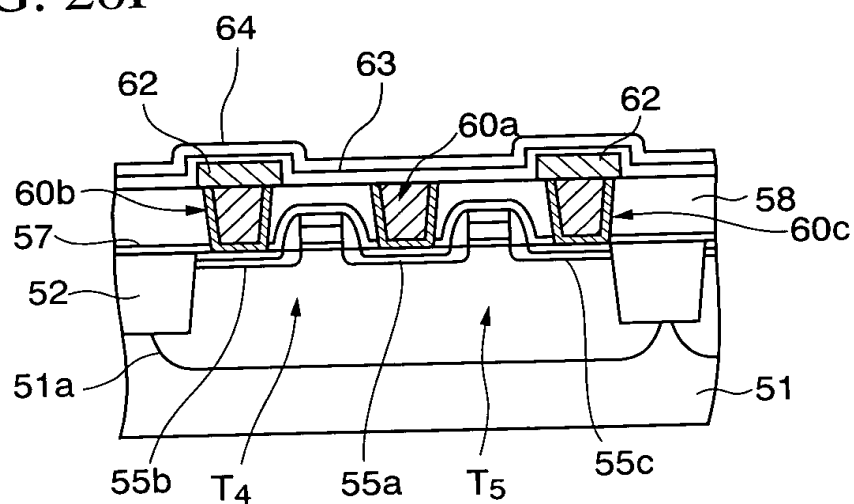


FIG. 26G

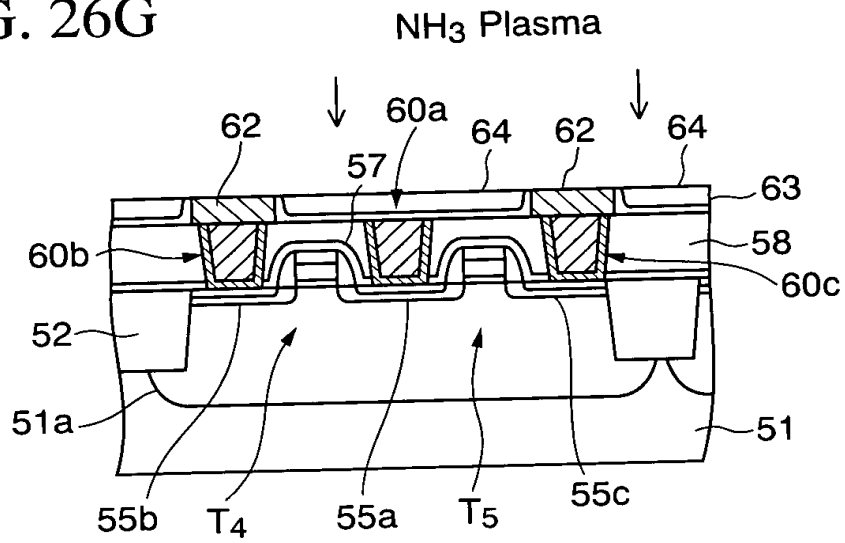
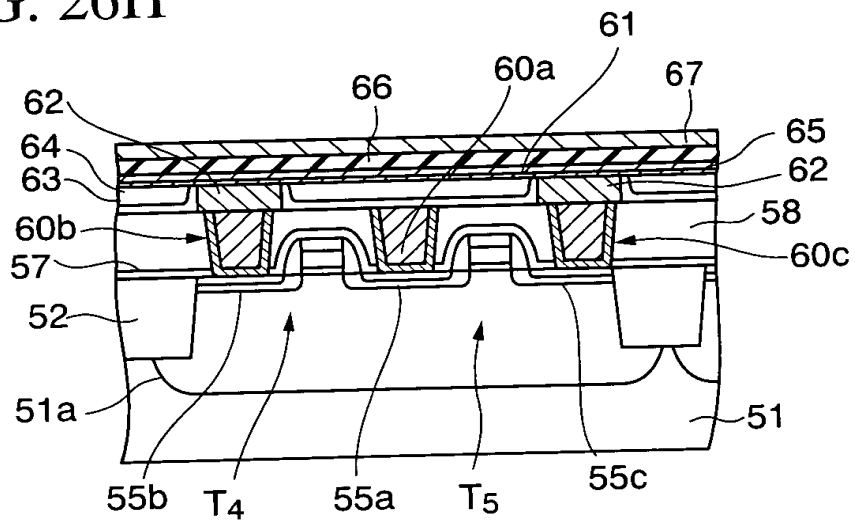
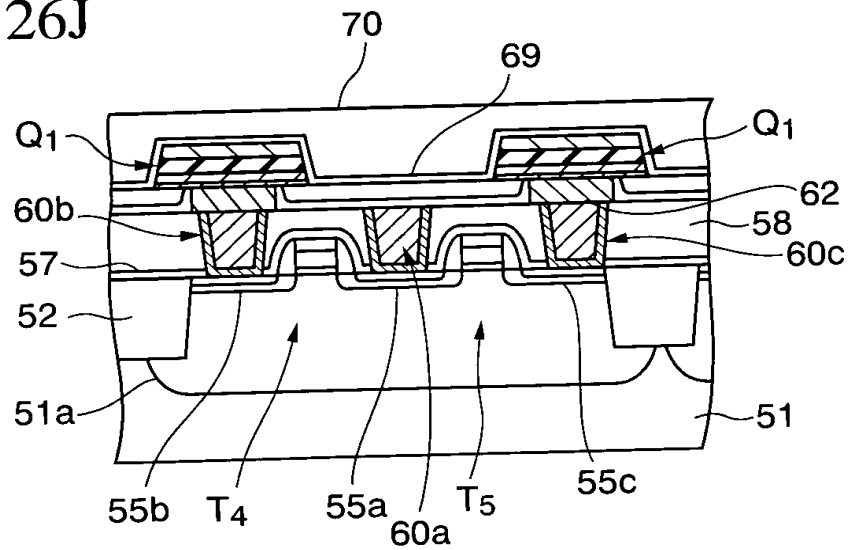


FIG. 26H





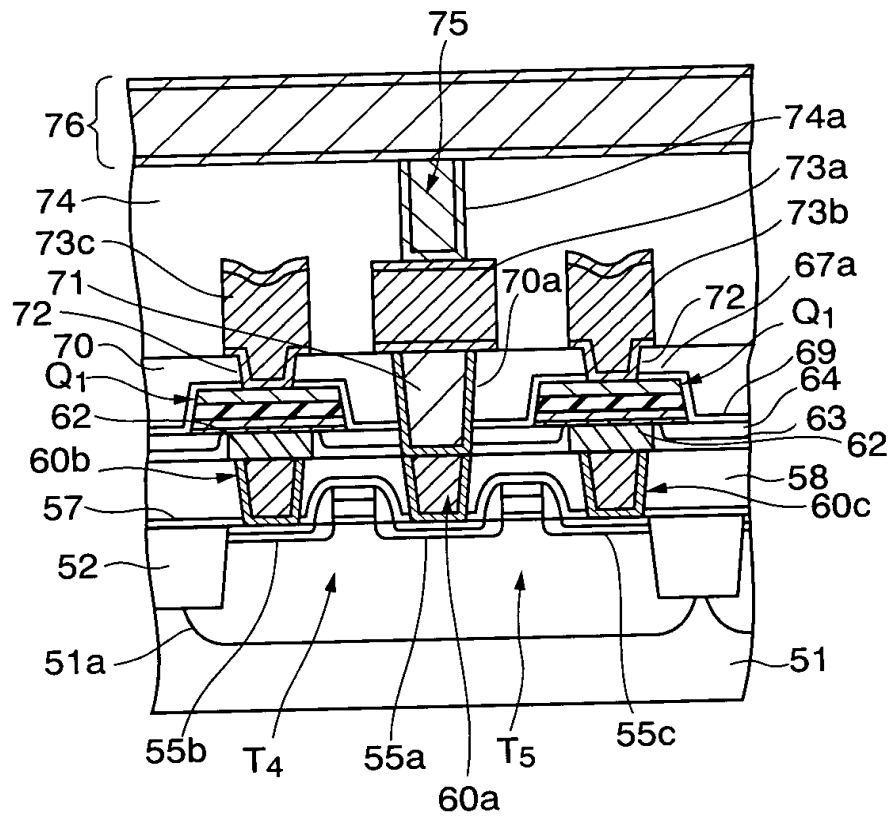


FIG. 27A

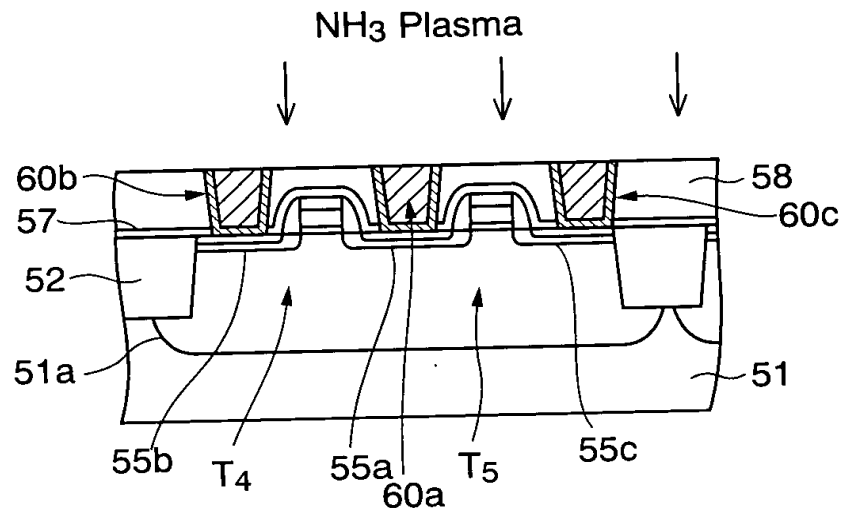


FIG. 27B

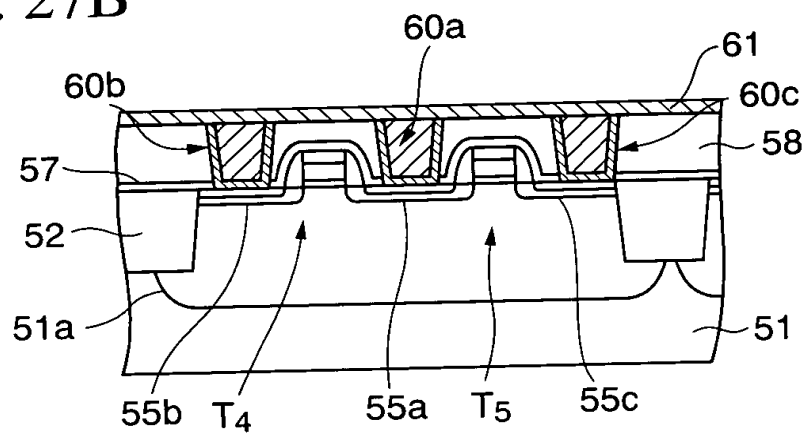


FIG. 27C

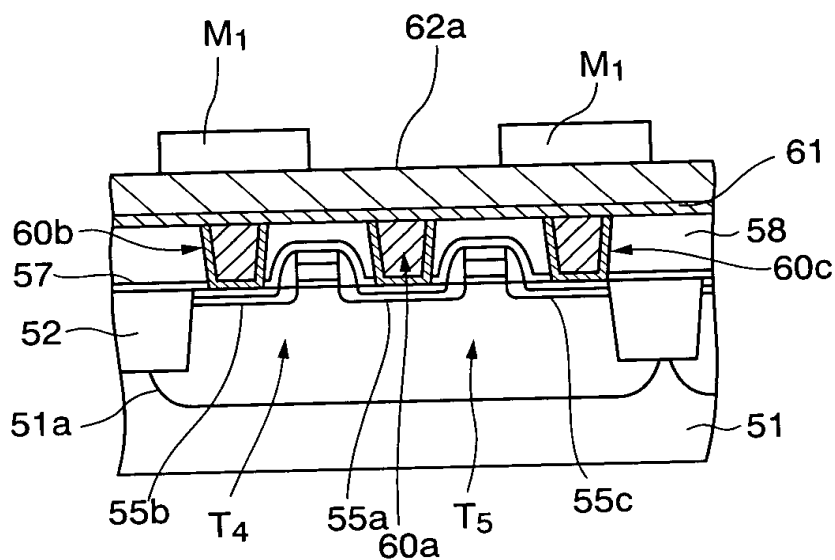


FIG. 27D

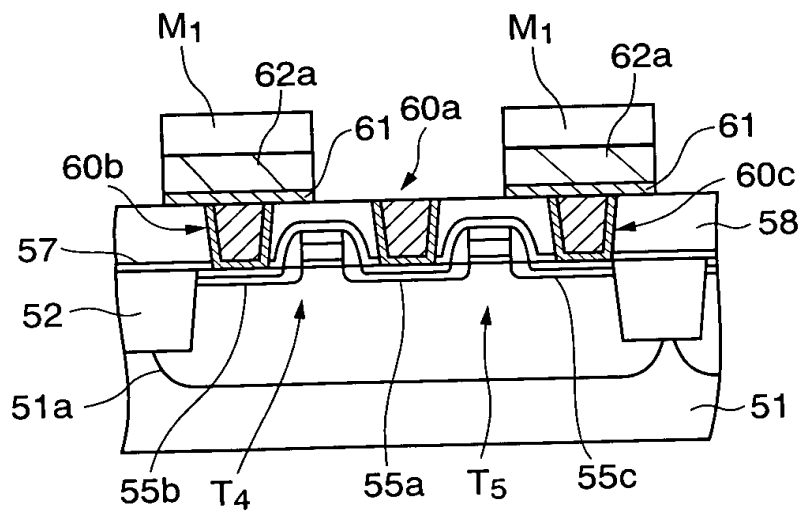




FIG. 27E

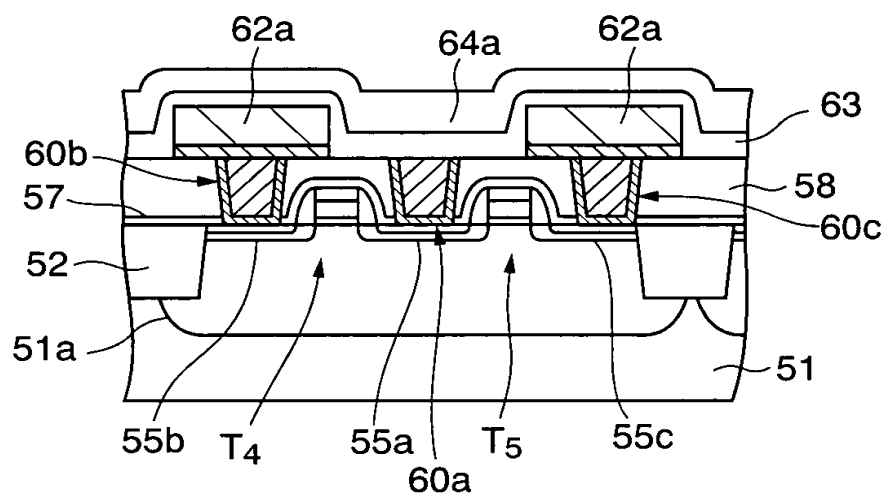


FIG. 27F

